Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/16/2017 03:24 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123888	-1	1.70	123658	1.60
Blue	F	SSC	125000	124281	-1	3.08	124513	2.80
Blue	E	FITC	21625	21010	-3	2.53	936	10.25
Blue	D	PE	26832	26230	-3	2.05	942	9.57
Blue	B	PerCP-Cy5-5	48027	46929	-3	3.33	1344	16.75
Blue	A	PE-Cy7	40971	40247	-2	5.08	622	35.26
Red	C	APC	49746	49078	-2	2.82	2830	9.45
Red	A	APC-Cy7	53615	52984	-2	2.81	1102	11.36
Violet	B	V450	14488	13862	-5	4.99	663	9.48
Violet	A	V500	55123	53788	-3	4.79	2385	7.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18831	5.23	604	6	N/A	N/A	Pass
Blue	F	SSC	61742	1.58	536	2	N/A	N/A	Pass
Blue	E	FITC	105	38.92	535	-1	0.0209	174	Pass
Blue	D	PE	206	28.51	531	0	0.1707	247	Pass
Blue	B	PerCP-Cy5-5	212	44.20	629	0	0.0103	91	Pass
Blue	A	PE-Cy7	68	114.05	679	-2	0.0119	8	Pass
Red	C	APC	333	27.42	591	-3	0.0204	64	Pass
Red	A	APC-Cy7	121	39.16	575	-5	0.0052	1159	Pass
Violet	B	V450	80	41.27	469	-2	0.0449	1666	Pass
Violet	A	V500	172	22.81	495	-1	0.0143	342	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/16/2017 03:24 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.07	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	15.80	13.27 - 19.91	N/A	N/A	31.16	31.69	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12958

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments